

SEQUENCE LISTING

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Tian, Lining
Brown, Daniel C
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Hattori, Jiro
Malik, Kamal
Wu, Kegiang
Tropiano, Raymond
Theilmann, David A

<120> Translational Regulatory Elements

<130> 08-685707us2

<140>

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<160> 21

<170> PatentIn Ver. 2.1

<210> 1

<211> 2224

<212> DNA

<213> Nicotiana tabacum

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gtcaaaaggg aacttcaccc tcttagttct ttatttccaa catacatggg gagtaatgct 180
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<210> 2

<211> 188

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: NdeI-SmaI
fragment of rCUP (T1275)

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catcatcttc accrcaaaac ccaccggaat acatggcttc tcaagccgtg gaaaccttat 120

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cccttatg 188

<210> 3

<211> 129

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: delta N with
Kozak sequence

<400> 3

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atcatcctca cctcaaaacc caccggccac catggcctct agaggacccc ggtgggtcag 120

tcccttatg 129

<210> 4

<211> 119

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: deltaN without
Kozak sequence

<400> 4

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atcatcctca cctcaaaacc caccggctca gaggatcccc ggtgggtcag tcccttatg 119

<210> 5

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Linker 1

<400> 5

ggatctatcc tcttatctct caa

23

<210> 6

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker 2

<400> 6

atctctcaaa ctctctcgaa cctt

24

<210> 7

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker 3

<400> 7

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18

<210> 8

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker 4

<400> 6

atcatcctca ctcacaaacc cacc

24

<210> 9

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker 5

<400> 9

agcctctcat catcctcacc tcaa

24

<210> 10

<211> 602

<212> DNA

<213> Nicotiana tabacum

<220>

<223> RENT 1

<220>

<223> where n is A, T, G or C

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atttaatat tttacattat taattcaattt agaagtttta attttttttc agaaatcatt 180

ttactatttt tataaaaaca aaagggaaaa gtggttattt aaatactagc cctatttcatt 240

ttcaattata gctaaaaac agccccaatt aaccccaatt ccaaaattcaa acggggccagc 300
ccaattcccta aaatgaccgc cctctaaccg gcttttccaa ccgcccggc ttcccccttc 360
gatccaggct gttgatcatt ttgatcaacg gccagaattt cccctttcc ttttaattcc 420
caaacacccc ccaaccttat cccgtttctc accaaccgac agatctatcc tcttatctct 480
caaaactctct cgaaccttcc cctaacccta gcagcctctc atcactctca cctcaaaaac 540
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aa 602

<210> 11
<211> 610
<212> DNA
<213> Nicotiana tabacum

<220>
<223> RENT 2

<400> 11
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agratTTTTa atttaaatatt tatacattat taattaactt agtactttca attcgTTTTc 180
aaaaattatt ttactattct ttgtaaaata aaagggagaa aatggctatt taaatactag 240
ccctattTTTa ttcaatttt agcctaaaat cagcccccaa ttaaccccaa tttcaaatc 300
aaatgggaca gcccaattcc taaaataacc cggccctaac cctcttatcc aaccacccg 360
atttccccct ttgatccagg ttgtgatca tttgatcaa cgaccagaat ttcccccttc 420
ctgtttttta ttcccaaaca ccccccaacc ctatccatt tctcaccac cgcagatct 480

atctctttat ctctcaaaact ctctcgaacc ttcctctaac cctagcagcc tctcatcacc 540
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tatgtgcgtc 610

<210> 12
<211> 507
<212> DNA
<213> Nicotiana tabacum

<220>
<223> where n is A, T, G or C

<220>
<223> RENT 3

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tcgttttcag aaattatttt actatttttt ataaaataaa agggagaaaa tggctattta 120
aataccagcc ctattttatt tcaattttta cctaaaatca gccccagtta gcccacaacg 180
gcccatecca attcctaata taactcgccc ctaaccgcct tatecaaccc gcccggttcc 240
ccttttgatc caggccggtg atcattttga tcaacgacca gaatttcccc tttccttttt 300
taattcccaa acaccgcaa accatccca tttctacca accgccagat ctatcctctt 360
atctctcaaa ctctctcgaa ccttccccta accctagcag cctctcatca tctcaccct 420
aaaaccacc gccaccatg gcctctagag gatccccggg tggtcagtcc cttatgtnac 480
gncctaaatg nccgnccctga nnnnnnc 507

<210> 13
<211> 599

<212> DNA

<213> *Nicotiana tabacum*

<220>

<223> RENT 5

<400> 13

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atttaatat tttacattat taattaattt agtactttca atttgctttc agaaatcatt 180
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tcaaaactctc tgaaccttc cctaaccct agcagcctct catcatctc acctcaaac 540
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<210> 14

<211> 616

<212> DNA

<213> *Nicotiana tabacum*

<220>

<223> where n is A, T, G or C

<220>

<223> RENT 7

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attacaaaat tgattatagt acttttaatt taatatttat acattattaa ttaatttagc 180
actttcaatt tattttcaga aaccatttta ctatttttta taaaaataaaa gggacaaaat 240
ggetatttaa ataccaacac tattttattt caatttttagc ctaaaatcaa acccaattaa 300
ccccaaacgg gccagcccaa ttcttaaaac aaccgcccc taaccgcgtt atccaaccgc 360
cccgatttcc tcttttgatc caggccgttg atcattttga tcaacggcca gaatttccc 420
tttctttttt tcattcccaa acacccccaa acctatccca tttctcacca accgccagat 480
ctatctcttt atctctcaaa ctctctcgaa ccttccccta acctagcag cctctcata 540
tctcacctc aaaaccacc gccaccatg gcctctagag gatccccggg tggtcagtc 600
cttatgttac gtcctn 616

<210> 15

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SCAN 1

<400> 15

aagactcaaa ctctctcgaa cctt

24

<210> 16

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SCAN 2

<400> 16

atctgagaaa ctctctcgaa cctt

24

<210> 17

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SCAN 3

<400> 17

atctctcggg ctctctcgaa cctt

24

<210> 18

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SCAN 4

<400> 18

atctctcaaa gactctcgaa cctt

24

<210> 19

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SCAN 5

<400> 19
atctctcaaa ctcagacgaa cctt

24

<210> 20
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: SCAN 6

<400> 20
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24

<210> 21
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: SCAN 7

<400> 21
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24

22
47
DNA
Artificial Sequence

Description of Artificial Sequence: 2xL2

22
ATCTCTCAAACTCTCTCGAACCTTTCTCTCAAACTCTCTCGAACCTT

23

24

DNA

Artificial Sequence

Description of Artificial Sequence: B1-L2

23

ATCTCTCAAACCTATCTGAAACTT

24

24

DNA

Artificial Sequence

Description of Artificial Sequence: B7-L2

24

ATCTCTCAAACCTCTCTCAAACCTT

25

21

DNA

Artificial Sequence

Description of Artificial Sequence: L2D1

25

ATCTCTCCTCTCTCAAACCTT

26

21

DNA

Artificial Sequence

Description of Artificial Sequence: L2D2

26

ATCTCTCAAACCTCTCTCGATT

27

18

DNA

Artificial Sequence

Description of Artificial Sequence: L2D3

27

ATCTCTCTCTCTCTCGATT

ATCTCTCTCTCTCTCGATT